

Application/Control No. 10/574,536

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Applicant(s)/Patent under Reexamination AUBERSON ET AL.

10/574,536 Examiner

Art Unit

1625

|       | Г        | Т             |                  | _        | 7                |          | Г        | 7        |     | There       |              |              |           |          | 7        | г        | -        | _            |          |     |          | _        | Г        | _         | _             | _            | _        |          | _        | -        |          |   |
|-------|----------|---------------|------------------|----------|------------------|----------|----------|----------|-----|-------------|--------------|--------------|-----------|----------|----------|----------|----------|--------------|----------|-----|----------|----------|----------|-----------|---------------|--------------|----------|----------|----------|----------|----------|---|
|       | 1        | F             | Reje             | cte      | d                |          | Ŀ        | 1        | ()  | Throu<br>Ca | gn r<br>ince | llec         | iera      | 11)      |          | ŀ        | v        | No           | n-E      | le  | cte      | 1        | 1        |           |               | Ą            | pe       | al       |          |          |          |   |
|       | =        | Allowed       |                  |          | 1                | ÷        |          |          |     | Restricted  |              |              |           |          |          |          |          | Interference |          |     | ,        | c        | ,        | Objected  |               |              | i        |          |          |          |          |   |
| Claim | Т        | _             |                  | D        | ate              | _        | _        | _        | ٦   | Cla         | im           | _            |           |          | Da       | te       | _        | _            |          | 1   | _        | Claim    | _        | _         | _             | _            | ٥.       |          |          | _        |          | - |
| _     | Τ.       | Γ             | М                | T        | Т                | Т        | T        | T        | 1   |             | _            | П            | T         | 1        | T        | Ť        | Т        | Т            | Т        | 1   | $\vdash$ |          | +        | Т         | $\overline{}$ | Т            | Da       | T        | т        | Т        | _        | ┨ |
| Final | 1/9/07   |               |                  | 1        |                  |          |          |          |     | Final       | Original     |              |           |          |          |          |          | l            |          | l   | i        | Original | l        |           |               |              |          |          |          |          |          |   |
| 1     | 1=       |               | ††               | +        | +                | +        | +        | +        | 1   | $\vdash$    | 51           | -            | +         | +        | +        | ┿        | +        | +            | +        | 1   | $\vdash$ | 101      | ╀        | +         | ╀             | ╀            | +        | +        | +        | +        | 4        | 4 |
| 2     | V        |               |                  |          | T                |          | $\top$   |          | 1   | П           | 52           | _            | $^{+}$    | +        | +        | +        | +        | +            | +        | 1   | $\vdash$ | 102      | ╁        | +         | +             | +            | +        | +        | +        | +        | +        | - |
| 3     | ✓        |               |                  | 1        | T                | T        | T        | T        | ]   |             | 53           |              | $\exists$ |          |          | T        |          | T            | T        | 1   | $\vdash$ | 103      | t        | +         | +             | t            | +        | +        | +        | +        | +        | 4 |
| 4     | V        | _             | Н                | +        | 4                | 4        | +        | _        | 1   |             | 54           | _            |           | I        |          | L        |          | Т            |          | ]   |          | 104      | T        | 1         | T             | +            | t        | +        | +        | +        | +        | 1 |
| 5     | V        | ⊢             | <del>   </del> - | -        | 4                | +        | +        | _        | 1   | $\vdash$    | 55           | 4            | _         | 1        | T        | L        | I        | Τ            |          | ]   |          | 105      | T        |           | T             | $^{\dagger}$ | T        | +        | 1        | +        | +        | 1 |
| 7     | 1        | H             | $\vdash$         | +        | +                | +        | +        | +        | 1   | $\vdash$    | 56           | -            | +         | +        | +        | 1        | +        | 1            | 1        | 1   | Ľ        | 106      | ſ        | $\Gamma$  |               | Г            |          | I        | I        | I        | I        | ] |
| 8     | 1        | $\vdash$      | +                | +        | +                | +        | +        | ╀        | -   | $\vdash$    | 57           | -1           | +         | +        | 4        | ╀        | +        | 1            | 1        | 1   | $\vdash$ | 107      | L        | L         | L             |              | Γ        | Ι        | Ι        | Ι        | T        |   |
| 9     | V        | Η-            | +                | +        | +                | +        | +        | +        | 1   | $\vdash$    | 58<br>59     | +            | +         | +        | +        | ╀        | +        | ╀            | +        | 1   | $\vdash$ | 108      | ╀        | 1         | L             | L            | ľ        | ľ        | T        | Ι        | I        | ] |
| 10    | Ĭ        | _             | $\vdash$         | +        | +                | +        | +        | +        | 1   | $\vdash$    | 60           | +            | +         | +        | +        | ╀        | +        | +            | +        | 1   | $\vdash$ | 109      | ⊦        | +-        | 1             | 1            | 1        | 1        | Ţ.       | 1        | 1        | 1 |
| 11    | Ť        |               | $\vdash$         | +        | +                | +        | +        | +        | 1   | $\vdash$    | 61           | +            | +         | +        | +        | ╀        | +        | ╀            | +        |     | -        | 110      | $\vdash$ | -         | -             | ₽            | 1        | +        | +        | 1        | 4        | 4 |
| 12    |          |               |                  | +        | +                | +        | +        | +        | 1   | $\vdash$    | 62           | +            | +         | +        | +        | ╀        | +        | +            | -        |     | ⊢        | 111      | ⊦        | $\vdash$  | ⊢             | Ͱ            | $\perp$  | +        | +        | 1        | 4        | 1 |
| 13    | $\Box$   |               |                  | $^{+}$   | $\top$           | +        | $^{+}$   | t-       | 1 1 |             | 63           | +            | +         | +        | +        | +        | +        | ۰            | +        |     | $\vdash$ |          | ⊦        | +-        | ├-            | ⊢            | ╀        | ╀        | +        | +        | +        | 1 |
| 14    |          |               |                  | 7        | Т                | T        | $\top$   | 1        | 1   |             | 64           | +            | +         | +        | +-       | ✝        | +        | +-           | 1-       |     | $\vdash$ | 113      | ⊢        | ⊢         | ⊢             | Ͱ            | ╀        | +-       | +        | +        | +        | 4 |
| 15    | $\Box$   |               |                  |          | $\top$           | $\top$   | 1        | 1        | 1 1 |             | 65           | +            | +         | +        | +        | H        | +        | ۲            | +        |     | $\vdash$ | 1115     | +        | +-        | -             | +            | 1        | ╀        | +        | +        | +        | 4 |
| 16    |          |               |                  | $\perp$  | $\mathbf{I}^{-}$ | I        | I        |          | 1   |             | 66           | +            | +         | +        | +        | t        | 1        | +            | Н        |     | -        | 116      | Н        | +-        | -             | +            | ٠        | +        | +        | +        | +        | - |
| 17    |          |               |                  | I        | П                | Τ        | I        |          | 1   |             | 67           | 1            | +         | $\top$   | +        | 1        | +        | 1            | H        |     | $\vdash$ | 117      | H        | $\vdash$  | $\vdash$      | ⊢            | $\vdash$ | ╁        | +        | ┰        | +        | - |
| 18    | $\Box$   | _             | $\perp$          | $\Gamma$ | I                | Г        | L        |          | ] [ |             | 68           | 7            | $\top$    | T        | $\top$   | $\vdash$ | 1        | т            | Н        |     | $\vdash$ | 118      | 1        | +-        | ⊢             | H            | H        | ╁        | +        | +        | +        | 1 |
| 19    | $\sqcup$ | _             | _                | 1        | Ţ.               | ഥ        | ഥ        | L        | ] [ |             | 69           |              | T         | T        |          | Г        | 1        | Т            | П        |     | $\vdash$ | 119      | $\vdash$ | 1         | -             | +            | ۲        | ╆        | +        | +        | +        | Н |
| 20    | $\vdash$ | _             | ٠                | 4        | 4                | +        | 1        |          | 1   |             | 70           |              |           |          | L        | Г        |          |              |          |     |          | 120      | Г        |           | Н             | ✝            | +        | $^{+}$   | +        | +        | +        | ſ |
| 21    | $\vdash$ | -             | +                | +        | +                | +        | 1        | Н        | 1   |             | 71           | _            | _         | T        | Г        |          | L        |              |          |     |          | 121      | Г        | П         |               | İΤ           | 1        | T        | 1        | ✝        | †        | 1 |
| 22    | -        | $\dashv$      | +                | +        | +                | +        | +        | <u> </u> | H   |             | 72           | 4            | 1         | 1        | L        | L        | 1        | L            |          |     |          | 122      |          |           |               |              | Г        | T        |          | †        | †-       | 1 |
| 24    | $\vdash$ | $\dashv$      | +                | +        | +                | +        | ⊢        | Н        | }   |             | 73           | +            | +         | +        | 1        | $\vdash$ | _        |              |          |     | ഥ        | 123      |          |           |               |              | Г        | Т        | 1        | T        | 1        | 1 |
| 25    | +        | -             | +                | +        | +                | +        | ╀        | -        |     |             | 74           | 4            | +         | +        | +        | L        |          | L            | Ш        |     | L.       | 124      |          |           |               |              |          | Ι        | Τ        | Г        | Т        | 1 |
| 26    | $\vdash$ | +             | +                | +        | +-               | +        | ⊢        | Н        | lŀ  |             | 75<br>76     | +            | +         | +        | -        | ⊢        | ↓_       | <u> </u>     | Н        |     | L        | 125      |          | П         |               |              | Ľ        | L        | L        | Г        | L        | ] |
| 27    | $\vdash$ | $\dashv$      | +                | +        | +                | +        | +        | Н        | H   |             | 77           | +            | +         | +        | $\vdash$ | L        | $\vdash$ | _            | Н        |     | <u> </u> | 126      |          | Ш         | ┙             | Ľ            | Ĺ        |          | ſ        | Г        | Г        | ] |
| 28    | $\vdash$ | 7             | _                | +-       | +                | $\vdash$ | +        | Н        | 1   |             | 78           | +            | +         | ╁        | +        | -        | ├-       | $\vdash$     | Н        |     | _        | 127      | _        | Ш         | _             | L            | L        | L        | _        | 1        | 1        | 1 |
| 29    |          | T             | +                | $^{+}$   | †                | +-       | 1        | Н        | -   |             | 79           | +            | +         | +-       | Н        | -        | $\vdash$ | Н            | Н        |     | _        | 128      | _        | Н         | -             | <u> </u>     | L        | ↓_       | 1        | ╄        | $\perp$  | 1 |
| 30    |          | 7             | +                | +        | 1                | 1        | 1        | Н        | ŀ   |             | 30           | +            | +         | +-       | -        | -        | -        | Н            | Н        |     | -        | 129      | _        | Н         | 4             | <u> </u>     | <u> </u> | ⊢        | +        | 1        | -        |   |
| 31    |          | $\exists$     |                  |          | Т                |          | П        | П        | t   |             | 31           | +            | +         | +        | $\vdash$ | -        | Н        | Н            | Н        |     | -        | 130      | _        | Н         | $\dashv$      | -            | ۴.       | ⊢        | ╀        | ⊢        | ⊢        |   |
| 32    | LI       | I             |                  | Ι        | L                |          |          |          | ı   |             | 32           | $^{\dagger}$ | +         | $^{+}$   | $\vdash$ | -        | H        | Н            | Н        |     | -        | 132      | -        | Н         | $\dashv$      | -            | -        | ⊢        | +        | ⊢        | ╀        |   |
| 33    |          | I             | I                | Ι        | Г                |          |          |          | ı   |             | 33           | $^{+}$       | $^{+}$    | $\top$   | П        | ٦        | Н        | Н            | Н        |     | _        | 133      | -        | $\vdash$  | 4             | -            | -        | $\vdash$ | +-       | ⊢        | +        |   |
| 34    | Ц        | _[            | $\perp$          | Г        | Г                |          |          |          |     |             | 34           |              | 1         | 1        | П        |          | П        |              | Н        | - 1 | _        | 134      | -        | -         | ┥             | -            | _        | $\vdash$ | $\vdash$ | ⊢        | +        |   |
| 35    | 4        | 4             |                  | 1        | $\perp$          | Ш        |          |          |     |             | 35           | $\mathbf{I}$ | L         | I        |          |          |          |              | П        | - 1 | _        | 135      | -        | -         | +             | -            | _        | $\vdash$ | +        | ┢        | $\vdash$ |   |
| 36    | 4        | 4             | -                | +        | L                | Ш        | Ш        | _        | Γ.  |             | 6            | Г            |           | L        |          |          |          |              |          | Ì   | _        | 136      | -        | _         | 1             | -            | _        | Н        | 1        | +        | -        |   |
| 37    | +        | +             | -                | 4-       | 1                | Н        | Ш        | 4        |     |             | 7            | L            | Г         | 匚        | П        | J        |          |              |          | ı   |          | 137      | 7        | 7         | 7             | -            |          | Н        | 1        | 1        | 1        |   |
| 38    | +        | +             | +                | +        | Η.               | $\vdash$ | Ш        | 4        | 1   |             | 88           | $\perp$      | 1         | L        | Ц        |          |          |              |          | -   |          | 138      | _        | $\neg$    | ┪             | $\neg$       |          | $\vdash$ | Η-       | $\vdash$ | 1        |   |
| 40    | +        | +             | +                | +        | Н                | Н        | Ш        | 4        | -   |             | 19           | 1            | $\perp$   | L        | $\Box$   |          |          |              |          | Ì   |          | 139      | ┪        | 7         | 7             |              | Т        | Г        |          | Н        | Н        |   |
| 41    | +        | +             | +                | +        | Н                | Н        | $\vdash$ |          | H   |             | 0            | +            | 4         | L        | Ц        | _        |          | _1           | _        | ]   | _        | 140      |          | J         |               |              |          |          | $\Gamma$ | Г        | П        |   |
| 42    | +        | +             | +                | $\vdash$ | $\vdash$         | Н        | $\vdash$ | $\dashv$ | -   |             | 1            | +            | +         | $\vdash$ | Н        | _        | _        | _            | _]       | [   |          | 141      |          | I         |               |              |          |          |          |          |          |   |
| 43    | +        | +             | +                | +        | Н                | Н        | -        | $\dashv$ | ŀ   |             | 3            | ╀            | +         | $\vdash$ | Н        | 4        | _        | _            | _        | L   | _        | 142      | _]       | $\perp$ T | _             |              |          |          |          |          |          |   |
| 44    | +        | $^{+}$        | +                | +        | Н                | $\vdash$ | -        | 4        | H   |             | 4            | +            | +         | Н        | $\dashv$ | 4        | 4        | 4            | 4        | 1   |          | 143      | _]       | _         | I             |              |          |          |          |          |          |   |
| 45    | $^{+}$   | +             | +                | +        | Н                | $\vdash$ | $\dashv$ | -        | H   |             | 5            | +            | +         | Н        | +        | 4        | -        | 4            | 4        | ŀ   |          | 144      | _        | 1         | J             | _            | J        |          |          |          |          |   |
| 46    | +        | +             | +-               |          | Н                | +        | -        | $\dashv$ | -   |             | 6            | +            | +         | Н        | +        | +        | -        | 4            | -        | 1   |          | 145      | 4        | 4         | 4             | _            | _]       |          |          |          |          |   |
| 47    | _        | 1             | 1                |          | Н                | $\dashv$ | 7        | $\dashv$ | H   |             | 7            | +-           | +         | Н        | +        | +        | +        | -            | -        | ŀ   |          | 146      | 4        | 4         | 4             | 4            | _        | _        |          |          |          |   |
| 48    | I        | T             |                  | П        | Н                | $\dashv$ | +        | 7        | ۲   |             | 8            | +            | +         | Н        | +        | +        | +        | +            | $\dashv$ | H   |          | 147      | 4        | +         | +             | 4            | 4        | _        | _        | _        | Ш        |   |
| 49    | I        | T             |                  |          | П                | $\neg$   | $\neg$   | 7        | ۲   | - j         |              | 1            | +         | Н        | +        | +        | +        | +            | $\dashv$ | ŀ   | _        | 148      | 4        | +         | +             | -            | 4        | 4        | -        | _        | Н        |   |
| 50    | $\neg$   | $\overline{}$ | $\overline{}$    |          | $\overline{}$    | -        | -+       | $\dashv$ | -   | 10          |              | +-           | -         | $\vdash$ | -        | -        | -        | -            | _        | L   |          | 150      |          | _         | $\perp$       |              | - 1      | ı        | - 1      |          |          |   |